

## EMITTER AND METHOD OF MAKING

## ABSTRACT

5           An emitter includes an electron supply and a tunneling layer disposed on the  
electron supply. A cathode layer is disposed on the tunneling layer. A conductive  
electrode has multiple layers of conductive material. The multiple layers include a  
protective layer disposed on the cathode layer. The conductive electrode has been  
etched to define an opening thereby exposing a portion of the cathode layer.

10